

CLAIMS

What is claimed is:

1. A flying toy comprising:

a head portion that is fixedly coupled to a spiral-shaped tail, wherein the spiral-shaped tail comprises a material that maintains a spiral shape of the tail during flight;

wherein the spiral-shaped tail has a longitudinal axis and a configuration other than a screw; and

wherein the spiral-shaped tail curves around the longitudinal axis to a degree effective to impart rotation of the tail about the longitudinal axis during flight.
2. The flying toy of claim 1 wherein the head portion comprises a portion selected from the group consisting of an elastic ball, a magnet, a hook-and-loop fastener, a liquid retainer, and a sound producer.
3. The flying toy of claim 1 wherein the head portion further comprises an engaging element that engages with a launcher.
4. The flying toy of claim 1 wherein the spiral-shaped tail has a coil shape.
5. The flying toy of claim 1 wherein the spiral-shaped tail comprises an evenly angled spiral or a stepped spiral.
6. The flying toy of claim 1 wherein the spiral-shaped tail comprises a portion that acts as an air foil.
7. The flying toy of claim 1 wherein the spiral-shaped tail comprises at least one of a preformed synthetic polymer and a metal wire.
8. The flying toy of claim 1 wherein a weight ratio between the head portion and the spiral-shaped tail is between 20:1 and 1:1.

9. A game kit comprising:
- a flying toy that includes a head portion that is fixedly coupled to a spiral-shaped tail,
wherein the spiral-shaped tail comprises a material that maintains a spiral shape of the
tail during flight;
- wherein the spiral-shaped tail has a longitudinal axis and a configuration other than a
screw;
- wherein the spiral-shaped tail curves around the longitudinal axis to a degree effective to
impart rotation of the tail about the longitudinal axis during flight; and
- an instruction to a user to propel the flying toy into the air.
10. The kit of claim 9 wherein the head portion comprises a portion selected from the group
consisting of an elastic ball, a magnet, a hook-and-loop fastener, a liquid retainer, and a
sound producer.
11. The kit of claim 9 wherein the head portion further comprises an engaging element that
engages with a launcher.
12. The kit of claim 9 wherein the spiral-shaped tail has a coil shape.
13. The kit of claim 9 wherein the spiral-shaped tail comprises an evenly angled spiral or a
stepped spiral.
14. The kit of claim 9 wherein the spiral-shaped tail comprises a portion that acts as an air
foil.
15. The kit of claim 9 wherein the spiral-shaped tail comprises at least one of a preformed
synthetic polymer and a metal wire.
16. The kit of claim 1 wherein the instruction to propel comprises an instruction to hold the
tail while whirling the toy in a rotational movement.